

MAHARASHTRA POLLUTION CONTROL BOARD

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KALPATARU POINT, 3rd Floor,
Sion-Matunga Scheme Rd. No.8,
Opp. Sion Circle, Sion (East),
Mumbai-400 022.

RED/SSI

Consent No. BO/JD(APC)/ EIC NO PN- 21004-14-13/R/CC-11688

Date: 09/12/2014

Consent to Operate under section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management Handling & Transboundary Movement) Rules, 2008.

(To be referred as Water Act, Air Act and HW (MH & TM) Rules respectively).

CONSENT is hereby granted to

M/s. Rajkumar Forge Ltd.,
Gut no.357, Kharabwadi,
Chakan Talegaon Road
Dist: Pune.

Located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW (M&H) Rules and amendments there to Subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to: 31.03.2015
2. The Consent is valid for the manufacture of-

Sr.No.	Product	Maximum Quantity
1	Closed open Die Forging	600 MT/Month
2	Forged Rolls	3000 MT/Month
3	Forged pipe Moulds	900 MT/Month

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall be Nil.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 5.0M³
- (iii) **Trade effluent:** N.A.
- (iv) **Trade Effluent Disposal:** N.A.
- (v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated Effluent to the following standards.

(1)	Suspended Solids	Not to exceed	100	mg/l
(2)	BOD 3 days 27o C.	Not to exceed	100	mg/l

- (vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.
- (vii) **Non Hazardous Solid Wastes:**

Sr. No.	Type of Waste	Quantity	Treatment	Disposal
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(viii) **Other Conditions:** The Industry shall monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amended Rules, 2003 there under.

The daily water consumption for the following categories is as under:

Domestic	8.0 CMD
Industrial processing generating Bio-Degradable waste water	--- CMD
Industrial processing generating Non-Bio-Degradable waste water	--- CMD
Industrial Boiler/Cooling etc.	4.0 CMD
Any other and gardening.	--- CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIOS UNDER AIR ACT:**

The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

A) Control Equipment:

1. Adequate Fume Extraction system (primary and secondary roof level) followed by Dust Collector, Wet scrubber of sufficient capacity shall be provided to all dust generating locations and shall be operated and maintained properly and continuously.
2. Dust Collection system of sufficient capacity shall be provided to source of SPM/TPM.
3. Adequate fume extraction system followed by dust collector of sufficient capacity shall be provided at all dust generating locations and operated properly.
4. There shall not be any secondary (fugitive) emissions.

B) Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	150 Mg/Nm ³
(ii)	SO ₂	Not to exceed	854 Kg/day

C) The applicant shall observe the following fuel pattern:

Sr. No	Type of fuel	Quantity
1	Furnace oil	335 Ltrs/Hrs
2	Gas	360 m3/Hrs
3	LDO	110 Ltrs/Hrs
4	HSD	75 Ltrs/Hrs

D) The applicant shall erect the chimney(S) of the following specifications:

Sr. No.	Chimney attached to	Height in Mtrs
1.	FO fired Furnace-1 and Gas fired furnace -2	36
2.	FO fired Furnace-3 &5 and Gas fired furnace -6	36
3	LDO Fired furnace-4	12
4	LDO Fired furnace-7	6
5	Gas fired Furnace-8 &9	18
6	D.G.Set [250 KVA]	3.50 Above roof

- E) The applicant shall provide ports in the chimney (s) and facilities such as ladder platform etc for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- F) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time is reckoned between 10 p.m. and 6 a.m.
- G) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor stack emissions and ambient air quality regularly.

6. Conditions for D.G. Set

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
- d. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- g. D.G. Set shall be operated only in case of power failure the applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set. Standards for Stack Emissions:

7. CONDITIONS UNDER HAZARDOUS WASTE (MH & TM) RULES, 2008:

- (i) The applicant shall handle hazardous wastes as specified below:

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	5.2 waste/residue containing oil	100.0	Kg/M	CHWTSDF
2	33.3 Discarded containers/barrels/Liners	245	Nos/Year	Sale to authorised recycler /reprocessor.
3	Used Cerwool	150	Kg/M	CHWTSDF

(ii) Treatment:

(iii) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.

(iii) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

8. General Conditions:

- (i) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels
- (iii) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent** The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent/ emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- (iv) The firm shall submit MPCB, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th September every year.
- (v) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained. The applicant shall also submit a comparative statement of designed power and chemical consumptions Vis-a Vis actual power and chemical consumption along with Environmental statement.
- (vi) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers down- stream of the

terminal manholes. No effluent shall find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

- (vii) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- (ix) The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
9. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
10. Industry shall submit Bank Guarantee of Rs. 5.0/- Lakhs validity up to 30.07.2015 in the Board within one month period towards operation and maintenance of pollution control system so as to achieve consent standards / and compliance of the same.
11. Industry shall submit Bank Guarantee of Rs. 2.0/- Lakhs validity up to 30.07.2015 in the Board within one month period towards submission of Board resolution stating that they will not carry out expansion /additional activity in future prior to permission from the Board and will not violate the Environmental Laws.
12. The total Capital investment of industry is Rs.24.12 Crores.

For and On Behalf of the
Maharashtra Pollution Control Board,


(V.M. Motghare)
Joint Director (Air Pollution Control)

To,
M/s. Rajkumar Forge Ltd.,
Gut no.357,Kharabwadi,
Chakan Talegaon Road
Dist: Pune.

Copy to:

- 1) Regional Officer, MPCB, Pune / Sub-Regional Officer, Pune-II MPCB Pune.
-They are directed to obtain the Bank Guarantee from the industry as per consent condition no. 10 & 11 ensure the compliance of consent conditions. Also, submit the performance report along with monitoring results within a month.
- 2) Chief Accounts Officer, MPCB, Mumbai
- 3] Cess Branch, MPCB.
- 4] Master file.

Received Consent fee of –

Amount	D.D.No.	Date	Drawn on
Rs.1,50,100/-	252196	04.03.2014	Bank of Baroda